

Docket No.  
1875-10402

# Declaration and Power of Attorney For Patent Application

## English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**LAYOUT TECHNIQUES FOR THE CREATION OF DENSE RADIATION TOLERANT MOSFETS WITH SMALL WIDTH-LENGTH RATIOS**

the specification of which

(check one)

☐ is attached hereto.

☐ was filed on \_\_\_\_\_ as United States Application No. or PCT International Application Number \_\_\_\_\_ and was amended on \_\_\_\_\_

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

(Number)

(Country)

(Day/Month/Year Filed)

☐

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

**60/409,819**

(Application Serial No.)

**9/10/02**

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)  
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

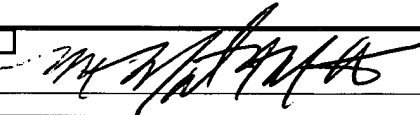
Francis A. Cooch, Reg. No. 31,495

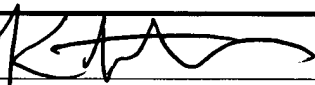
Albert J. Fasulo, II., Reg. No. 43,607

Benjamin Y. Roca, Reg. No. 50,166

Send Correspondence to: Benjamin Y. Roca, Office of Patent Counsel  
The Johns Hopkins University  
Applied Physics Laboratory  
11100 Johns Hopkins Road, Laurel, Maryland 20723-6099

Direct Telephone Calls to: *(name and telephone number)*  
Benjamin Y. Roca 240-228-5644

Full name of sole or first inventor	Mark N. Martin	
Sole or first inventor's signature		Date 9-10-03
Residence	Columbia, Maryland U.S.A.	
Citizenship	United States	
Post Office Address	9741 Clocktower Lane, #202	
	Columbia, Maryland 21046 U.S.A.	

Full name of second inventor, if any	Kim Strohbehn	
Second inventor's signature		Date 9/10/2003
Residence	Ellicott City, Maryland U.S.A.	
Citizenship	United States	
Post Office Address	3026 Greenhaven Court	
	Ellicott City, Maryland 21042 U.S.A.	

Full name of third inventor, if any	
Martin E. Fraeman	
Third inventor's signature	Date
<i>Martin E. Fraeman</i>	9/11/03
Residence	
Olney, Maryland U.S.A.	
Citizenship	
United States	
Post Office Address	
16816 Ethelwood Terrace	
Olney, Maryland 20832 U.S.A.	

Full name of fourth inventor, if any	
Fourth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of fifth inventor, if any	
Fifth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

**PATENTS ONLY**

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Mark N. Martin  
Kim Strohhenn  
Martin E. Fraeman

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 2. Name and address of receiving party(ies):

Name: The Johns Hopkins University

Internal Address: \_\_\_\_\_

Street Address: 34th and Charles StreetsCity: Baltimore State: MD ZIP: 21218Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: 9/10/03; 9/10/03; 9/11/03

respectively

## 4. Application number(s) or patent numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

10/659,479

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Benjamin Y. Roca, Reg. No. 50,166Internal Address: Mail Stop 7-156The Johns Hopkins UniversityApplied Physics LaboratoryStreet Address: 11100 Johns Hopkins RoadCity: Laurel State: MD ZIP: 20723

## 6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

## 8. Deposit account number:

01-2218

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Benjamin Y. Roca

Name of Person Signing

Signature

4

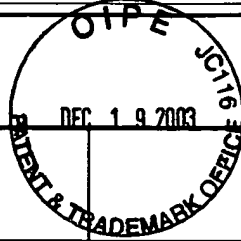
Date

Total number of pages including cover sheet, attachments, and document:

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
1875-10402

In Re Application Of: **Martin et al.**



Serial No.  
10/659,479

Filing Date  
9/10/03

Examiner

Group Art Unit

Title:

**Lay out Techniques for the Creation of Dense Radiation Tolerant Mosfets with Small Width-Length Ratios**

Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

ASSIGNMENT

WHEREAS, Mark N. Martin, Kim Strohhahn and Martin E. Fraeman, hereinafter referred to as the ASSIGNORS, have made an invention as described in a United States patent application entitled:

LAYOUT TECHNIQUES FOR THE CREATION OF DENSE RADIATION TOLERANT MOSFETS WITH SMALL WIDTH-LENGTH RATIOS,

which application was executed by them on 9/10/03, 9/10/03, and 9/11/03; respectively, and

WHEREAS, The Johns Hopkins University, a corporation organized and existing under the laws of the State of Maryland and having its principal place of business at Baltimore, Maryland, hereinafter referred to as the ASSIGNEE, desires to acquire an interest therein;

NOW, THEREFORE, in consideration of their employment by ASSIGNEE, the ASSIGNORS do hereby sell, assign and transfer to the ASSIGNEE the entire right, title and interest in and to said invention in the United States and its territories and possessions and in all foreign countries and the entire right, title and interest in and to said international application and any substitutions, divisions, continuations, or continuations-in-part based upon said application, and in and to any and all Letters Patent, whether original or reissue, which may be granted for said invention in the United States and its territories and possessions and in any and all foreign countries, the invention, said patent application, and any and all such patents to be held and enjoyed by the ASSIGNEE for its own use and benefit and for its legal representatives as fully and entirely as the same would have been held by the ASSIGNORS had this agreement not been made.

THE ASSIGNORS here further agree to make, execute, and deliver to the ASSIGNEE, its successors, assigns, and legal representatives, upon request but at the expense of the ASSIGNEE, any and all papers, documents, affidavits, statements, or other instruments that may be necessary in the prosecution of the aforesaid application, and of any United States or foreign applications, and of any substitutions, divisions, continuations, or continuations-in-part of said application, or applications for reissues of said Letters Patents, and to aid the ASSIGNEE, its successors, assigns, and legal representatives in every way in protecting the said invention as may be requested, provided, however that they shall not have to pay any expenses arising from extending such assistance.

Docket No.: 1875-10402

Inventors: Mark N. Martin, Kim Strohbehn and Martin E. Fraeman

Title: LAYOUT TECHNIQUES FOR THE CREATION OF DENSE RADIATION  
TOLERANT MOSFETS WITH SMALL WIDTH-LENGTH RATIOS

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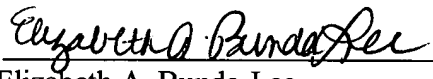
THE ASSIGNORS hereby covenant that they have the right to grant the foregoing assignment.

IN TESTIMONY WHEREOF, he has set his hand and affixed his seal on the date given  
hereinbelow.

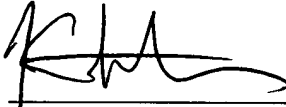
 SEAL 9-10-03 DATE  
Mark N. Martin

STATE OF MARYLAND     )  
COUNTY OF CARROLL    )

Subscribed and sworn to before me this 10 day of September, 2003, by the above-named  
Mark N. Martin.

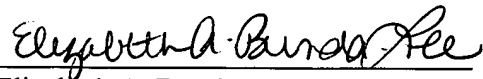
  
Elizabeth A. Bunda-Lee  
My Commission expires January 4, 2005

IN TESTIMONY WHEREOF, he has set his hand and affixed his seal on the date given  
hereinbelow.

 SEAL 9/10/2003 DATE  
Kim Strohbehn

STATE OF MARYLAND     )  
COUNTY OF CARROLL    )

Subscribed and sworn to before me this 10 day of September, 2003, by the above-named Kim  
Strohbehn.

  
Elizabeth A. Bunda-Lee  
My Commission expires January 4, 2005



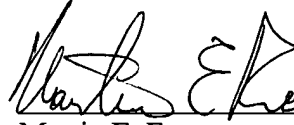
Docket No.: 1875-10402

Inventors: Mark N. Martin, Kim Strohbehn and Martin E. Fraeman

Title: LAYOUT TECHNIQUES FOR THE CREATION OF DENSE RADIATION  
TOLERANT MOSFETS WITH SMALL WIDTH-LENGTH RATIOS

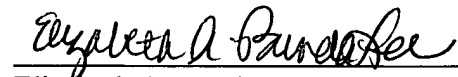
Page 3

IN TESTIMONY WHEREOF, he has set his hand and affixed his seal on the date given hereinbelow.

 SEAL 9/11/03 DATE  
Martin E. Fraeman

STATE OF MARYLAND )  
COUNTY OF CARROLL )

Subscribed and sworn to before me this 11 day of September, 2003, by the above-named  
Martin E. Fraeman.

  
Elizabeth A. Bunda-Lee  
My Commission expires January 4, 2005